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UNITED STATES STANDARDS

for grades of

CANNED FREESTONE PEACHES

Third Issue

As Amended

EFFECTIVE JUNE 20, 1973

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
FRUIT AND VEGETABLE DIVISION
PROCESSED PRODUCTS STANDARDIZATION AND INSPECTION BRANCH

These standards supersede the standards which have been in effect since June 1, 1969

This is the third issue of the United States Standards for Grades of Canned Freestone Peaches. These standards were issued by the Department after careful consideration of all data and views submitted.

These standards were published in the Federal Register of June 21, 1957 (22 F.R. 4377) to become effective July 22, 1957. These standards were amended inSection 52.2610 effective June 1, 1969 (34 F.R. 7134). They were further amended to delete the old text in Section 52.2614, add two new sections as 52.2608 and 52.2609 and renumber other sections accordingly, effective June 20, 1973 (38 F.R. 13349).

These standards are included in the Code of Federal Regulations, Title 7 -- Agriculture, Part 52.

This grade standard is issued under authority of the Agricultural Marketing Act of 1946,which provides for the issuance of official U. S. grades to designate different levels of quality for the voluntary use of producers, buyers, and consumers. Official grading service is also provided under this Act,upon request of the applicant, and upon payment of a fee to cover the cost of the service.

As is the case of other standards for processed fruits and vegetables, these standards are designed to serve as a convenient basis for sales, for establishing quality control programs, and for determining loan values. They will also serve as a basis for the inspection of this commodity by Federal inspection service, which is available for the inspection of other processed products as well.

These standards are issued by the Department after careful consideration of all data and views submitted and the Department welcomes suggestions which might aid in improving these standards in future revisions. Comments may be submitted to, and copies of these standards obtained from:

Chief, Processed Products Standardization and Inspection Branch
Fruit and Vegetable Division, AMS
U. S. Department of Agriculture
Washington, D. C. 20250

UNITED STATES STANDARDS FOR GRADES OF CANNED FREESTONE PEACHES

Effective June 20, 1973

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AUTHORITY.— Agricultural Marketing Act of 1946 sec. 205, 60 Stat. 1090, as amended; U.S.C. 1624.

NOTE.—Compliance with the provisions of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act or with applicable State laws and regulations.

PRODUCT DESCRIPTION, STYLES, AND GRADES

§ 52.2601 Product description.

(a) *Canned freestone peaches.*—"Canned freestone peaches" means "canned yellow freestone peaches" or "canned yellow free peaches" as such product is purported to be in the standard of identity for canned peaches (21 CFR 27.0) issued pursuant to the Federal Food, Drug, and Cosmetic Act. For the purposes of the standards in this subpart, and unless the text indicates otherwise, the terms "canned peaches" or "canned freestone peaches" include "canned yellow freestone peaches" and "canned spiced yellow freestone peaches" as defined in the aforesaid standard of identity, and canned "solid-pack" freestone peaches.

(b) *Canned "solid-pack" freestone peaches.*—For the purposes of the standards in this subpart, canned peaches when referred to as "canned 'solid-pack' freestone peaches" or "solid-pack freestone peaches" means prepared peaches of the yellow freestone varietal group packed without a liquid packing medium, with or without a dry nutritive sweetening ingredient added, and sufficiently processed by heat to assure preservation of the product in hermetically-sealed containers. "Solid-pack" peaches to which a sweetening ingredient has not been added are considered "unsweetened"; "solid-pack" peaches to which a dry nutritive sweetening ingredient has been added are considered "sweetened".

§ 52.2602 Styles.

(a) "Halves" or "halved" canned peaches are peeled and pitted peaches, cut approximately in half along the suture from stem to apex.

(b) "Quarters" or "quartered" canned peaches are halved peaches cut into two approximately equal parts.

(c) "Slices" or "sliced" canned peaches are peeled and pitted peaches cut into sectors smaller than quarters.

(d) "Dice" or "diced" canned peaches are peeled and pitted peaches cut into approximate cubes.

(e) "Whole" canned peaches are peeled, unpitted, whole peaches with or without stems removed.

(f) "Mixed pieces of irregular sizes and shapes" are peeled, pitted, and cut units of canned peaches that are predominantly irregular in size and shape which do not conform to a single style of halves, quarters, slices, or dice and which may consist of:

(1) Units (commonly called "salad cuts" or "salad pieces") which may have been prepared originally as peach halves but which are irregular in size and shape in that more than one-fourth of the unit appears to have been removed at the outer curved surface and which have been cut further into pieces;

(2) Units which may have been prepared originally as peach slices but which are irregular in size and shape in that they have been cut further into pieces; or

(3) Mixtures of two or more of the following styles which may or may not be of normal shape: halves, quarters, slices, or dice.

§ 52.2603 Grades.

(a) "U.S. Grade A" or "U.S. Fancy" is the quality of halves, quarters, slices, diced, or whole canned freestone peaches that possess similar varietal characteristics; that possess a normal flavor and odor, that possess a good color, that are practically uniform in size and symmetry, that are practically free from defects, that possess a good character, and that for those factors which are scored in accordance with the scoring system outlined in this subpart the total score is not less than 90 points: *Provided,* That halves, quarters, slices, diced, or whole canned freestone peaches may possess a reasonably good color, may be reasonably uniform in size and symmetry, and may possess a reasonably good character, if the total score is not less than 90 points.

(b) "U.S. Grade B" or "U.S. Choice" is the quality of halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that possess similar varietal characteristics; that possess a normal flavor and odor, that possess a reasonably good color, that are reasonably uniform in size and symmetry for the applicable style, that are reasonably free from defects, that possess a reasonably good character, and that for the factors which are scored in accordance with the scoring system outlined in this subpart the total score is not less than 80 points: *Provided,* That halves, quarters, slices, diced, or whole canned freestone peaches may be fairly uniform in size and symmetry if the total score is not less than 80 points.

(c) "U.S. Grade C" or "U.S. Standard" is the quality of halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that possess similar varietal characteristics; that possess a normal flavor and odor, that possess a fairly good color, that are fairly uniform in size and symmetry for the applicable style, that are fairly free from defects, that possess a fairly good character, and that for those factors which are scored in accordance with the scoring system outlined in this subpart the total score is not less than 70 points.

(d) "U.S. Grade D" is the quality of halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that may possess dissimilar varietal characteristics; that possess a normal flavor and odor, that possess a fairly good color, that may vary in size and symmetry for the applicable style; that are fairly free from defects except for crushed and broken units in the styles of halves, quarters, or whole style; that possess a noticeable variability in character, and that for those factors which are scored in accordance with the scoring system outlined in this subpart the total score is not less than 60 points. Canned freestone peaches of this grade may or may not meet the minimum standard of quality for canned peaches issued pursuant to the Federal Food, Drug, and Cosmetic Act.

(e) "Substandard" is the quality of canned freestone peaches that fail to

meet the applicable requirements of U.S. Grade C or U.S. Standard or of U.S. Grade D and is the quality of canned freestone peaches that may or may not meet the minimum standard of quality for canned peaches issued pursuant to the Federal Food, Drug, and Cosmetic Act.

§ 52.2604 Grades of canned "solid-pack".

(a) "U.S. Grade C Solid-Pack" or "U.S. Standard Solid-Pack" is the quality of halves, quarters, slices, diced, or mixed pieces or irregular sizes and shapes of canned solid-pack freestone peaches that possess a normal flavor and odor; that possess a fairly good color, that are fairly free from defects for canned solid-pack freestone peaches, that possess a fairly good character for canned solid-pack freestone peaches, and that for those factors which are scored in accordance with the scoring system outlined in this subpart the total score is not less than 70 points.

(b) "Substandard Solid-Pack" is the quality of halves, quarters, slices, diced or mixed pieces of irregular sizes and shapes of canned solid-pack freestone peaches that fail to meet the requirements of "U.S. Grade C Solid-Pack."

Liquid Media, Fill of Container, Drained Weights, and Fill Weights

§ 52.2605 Liquid media and Brix measurements.

"Cut-out" requirements for liquid media in canned freestone peaches are not incorporated in the grades of the finished product since sirup or any other liquid medium, as such, is not a factor of quality for the purposes of these grades. The "cut-out" Brix measurements, as applicable, for the respective designations are as follows:

Designations	*Brix measurement*
"Extra heavy sirup" or "Extra heavy fruit juice(s) sirup."	24° or more but not more than 35°.
"Heavy sirup" or "Heavy fruit juice(s) sirup."	19° or more but less than 24°.
"Light sirup" or "Light fruit juice(s) sirup."	14° or more but less than 19°.
"Slightly sweetened water."	Less than 14°.
"Slightly sweetened fruit juice(s)."	10° or more but less than 14°.
"In water"	Not applicable.
"In fruit juice(s)"	Not applicable.

§ 52.2606 Fill of container.

The standard of fill of container for canned freestone peaches is the maximum quantity of the peach units which can be sealed in the container and processed by heat to prevent spoilage, without crushing or breaking such ingredient. Canned freestone peaches that do not meet this requirement are "Below Standard in Fill."

§ 52.2607 Recommended fill of container for canned "solid-pack".

The recommended fill of container for canned solid-pack freestone peaches is not incorporated in the grades of the finished product since fill of container, as such, is not a factor of quality for the purposes of these grades. It is recommended that each container of solid-pack freestone peaches be as full of peaches as practicable without impairment of quality and that the product (including liquid, if any) occupy not less than 90 percent of the volume of the container.

§ 52.2608 Recommended minimum drained weights.

(a) *General.* — (1) The minimum drained weight recommendations for the various styles in table I of this subpart are not incorporated in the grades of the finished product since drained weight, as such, is not a factor of quality for the purposes of these grades.

(2) The recommended minimum drained weights are based on equalization of the product 30 days or more after the product has been canned.

(b) *Method for ascertaining drained weight.*—The drained weight of canned freestone peaches and canned "solid-pack" freestone peaches is determined by emptying the contents of the container, turning the pit cavities down in halves, upon a U.S. Standard No. 8 circular sieve of proper diameter containing 8 meshes to the inch (0.0937-inch±3 percent, square openings) so as to distribute the product evenly, inclining the sieve slightly to facilitate drainage, and allowing to drain for 2 minutes. The drained weight is the weight of the sieve and peaches less the weight of the dry sieve. A sieve 8 inches in diameter is used for the equivalent of No. 3 size cans (404 x 414) and smaller, and a sieve 12 inches in diameter is used for containers larger than the equivalent of the No. 3 size can.

(c) *Definitions of symbols.*—(1) $\overline{X}_d$—The average drained weight of all the sample units in the sample.

(2) *LL.*—Lower limit for drained weights of individual sample units.

(d) *Compliance with recommended drained weights.*—A lot of canned freestone peaches is considered as meeting the minimum drained weight recommendations if the following criteria are met:

(1) The average of the drained weights from all the sample units in the sample meet the recommended minimum average drained weight (designated as "$\overline{X}_d$" in table I); and

(2) The number of sample units which fail to meet the recommended drained weight lower limit for individuals (designated as "*LL*" in table I) does not exceed the applicable acceptance number specified in the single sampling plan of table II.

TABLE I.—RECOMMENDED MINIMUM DRAINED WEIGHTS FOR CANNED FREESTONE PEACHES

Container designations (metal, unless otherwise stated)	Container size (overall dimensions)		Over-flow capacity (fluid ounces)	Halves			
				In extra heavy sirup (ounces)		In any other liquid medium (ounces)	
	Diameter (inches)	Height (inches)		*LL*	$\bar{X}_d$	*LL*	$\bar{X}_d$
8Z tall	211	304		4.1	4.8	4.3	5.0
No. 300	300	407		7.8	8.6	8.0	8.8
No. 303	303	406		8.6	9.5	8.9	9.8
No. 303 glass			17.0	8.6	9.5	8.9	9.8
No. 2	307	409		10.4	11.5	10.8	11.9
No. 2½ glass			28.35	14.7	16.1	15.2	16.6
No. 2½, 7 count or more	401	411		15.2	16.6	15.7	17.1
No. 2½, 6 count or less	401	411		14.8	16.2	15.3	16.7
No. 10, 24 count or more	603	700		68.5	61.0	60.0	62.5
No. 10, 23 count or less	603	700		57.5	60.0	59.0	61.5

TABLE I—(Continued)

Container size (metal, unless otherwise stated)	Quarters, mixed pieces of irregular sizes and shapes				Sliced			
	In extra heavy sirup (ounces)		In any other liquid medium (ounces)		In extra heavy sirup (ounces)		In any other liquid medium (ounces)	
	LL	$\bar{X}_d$	*LL*	$\bar{X}_d$	*LL*	$\bar{X}_d$	*LL*	$\bar{X}_d$
8Z tall	4.2	4.9	4.4	5.1	4.1	4.7	4.3	4.9
No. 300	8.0	8.8	8.2	9.0	7.8	8.5	8.0	8.7
No. 303 glass	8.8	9.7	9.1	10.0	8.6	9.4	8.9	9.7
No. 303	8.8	9.7	9.1	10.0	8.6	9.4	8.9	9.7
No. 2	10.6	11.7	11.0	12.1	10.4	11.3	10.8	11.7
No. 2½ glass	15.0	16.4	15.5	16.9	14.7	15.8	15.2	16.3
No. 2½	15.5	16.9	16.0	17.4	15.2	16.3	15.7	16.8
No. 10	60.5	63.0	62.0	64.5	58.0	60.0	59.0	61.0

TABLE I—Continued

Container size (metal, unless otherwise stated)	Heavy pack (all styles) (ounces)		Solid-pack unsweetened (all styles) (ounces)	
	LL	$\bar{X}_d$	*LL*	$\bar{X}_d$
No. 2½			22.6	24.0
No. 10	67.5	70.0	87.5	90.0

TABLE II.—SINGLE SAMPLING PLAN FOR DRAINED WEIGHTS

Sample size (number of sample units)	3	6	13	21	29	38	48	60	72
Acceptance No.	0	1	2	3	4	5	6	7	8

§ 52.2609 Recommended minimum fill weights.

(a) *General.*—The minimum fill weight recommendations specified in table III are not incorporated in the grades of the finished product since fill weight, as such, is not a factor of quality for the purposes of these grades.

(b) *Method for ascertaining fill weight.*—Fill weight is determined in accordance with the U.S. Standards for Inspection by Variables and the U.S. Standards for Determination of Fill Weights.

(c) *Definitions of terms and symbols.*—"Subgroup" means a group of sample units representing a portion of a sample.

$\overline{X}'_{min}$ means the minimum lot average fill weight.

$LWL_{\overline{X}}$ means the lower warning limit for subgroup averages.

$LRL_{\overline{X}}$ means the lower reject limit for sub group averages.

LWL means the lower warning limit for individual fill weight measurements.

LRL means the lower reject limit for individual fill weight measurements.

$\overline{R}'$ means a specified average range value.

R_{max} means a specified maximum range for a subgroup.

"Sampling allowance code" means a code letter on the Sampling Allowance Chart of the U.S. Standards for Inspection by Variables. This letter identifies the appropriate line which gives the amount of sampling allowance to be applied to the specification average for fill weights in order to determine compliance with requirements for fill weight averages for a sample.

(d) *Compliance with recommended fill weights.*—Compliance with the recommended fill weights shall be in accordance with the acceptance criteria specified in the U.S. Standards for Inspection by Variables and the U.S. Standards for Determination of Fill Weights.

TABLE III.—RECOMMENDED FILL WEIGHT VALUES FOR CANNED FREESTONE PEACHES

Container size (metal, unless otherwise stated)	Halves							
	Fill weight values (ounces)							Sampling allowance code
	$\overline{X}'_{min}$	$LWL_{\overline{X}}$	$LRL_{\overline{X}}$	LWL	LRL	$\overline{R}'$	R_{max}	
8Z tall	5.6	5.1	4.9	4.6	4.1	1.2	2.5	I
No. 300	9.9	9.3	8.9	8.5	7.8	1.6	3.4	M
No. 303	11.0	10.3	10.0	9.5	8.7	1.7	3.7	N
No. 303 glass	11.0	10.3	10.0	9.5	8.7	1.7	3.7	N
No. 2	13.3	12.5	12.1	11.5	10.6	2.1	4.4	Q
No. 2½ glass	18.9	17.9	17.4	16.7	15.6	2.6	5.4	T
No. 2½, 7 count or more	19.4	18.4	17.9	17.2	16.1	2.6	5.4	T
No. 2½, 6 count or less	19.0	18.0	17.5	16.8	15.7	2.6	5.4	T
No. 10, 24 count or more	73.0	71.0	70.4	69.2	67.3	4.4	9.3	B1
No. 10, 23 count or less	72.0	70.3	69.4	68.2	66.3	4.4	9.3	B1

TABLE III.—Continued

Container size (metal, unless otherwise stated)	Sliced							
	Fill weight values (ounces)							Sampling allowance code
	$\overline{X}'_{min}$	$LWL_{\overline{X}}$	$LRL_{\overline{X}}$	LWL	LRL	$\overline{R}'$	R_{max}	
8Z tall	5.6	5.2	5.0	4.7	4.2	1.1	2.2	H
No. 300	10.0	9.4	9.1	8.7	8.0	1.5	3.2	L
No. 303	11.1	10.5	10.1	9.7	9.0	1.6	3.4	M
No. 303 glass	11.1	10.5	10.1	9.7	9.0	1.6	3.4	M
No. 2	13.4	12.6	12.2	11.7	10.8	2.0	4.2	P
No. 2½	19.6	18.7	18.2	17.6	16.6	2.3	4.9	S
No. 2½ glass	19.1	18.2	17.7	17.1	16.1	2.3	4.9	S
No. 10	74.0	72.5	71.7	70.6	68.9	4.0	8.4	Z
	Quarters—mixed pieces of irregular sizes and shapes—fill weight values							
8Z tall	5.7	5.3	5.1	4.8	4.3	1.1	2.2	H
No. 303	11.3	10.7	10.3	9.9	9.2	1.6	3.4	M
No. 2	13.6	12.8	12.4	11.9	11.0	2.0	4.2	P
No. 2½	19.9	19.0	18.5	17.9	16.9	2.3	4.9	S
No. 10	76.0	74.5	73.7	72.6	70.9	4.0	8.4	Z

Factors of Quality

§ 52.2610 Ascertaining the grade.

(a) *General.*—In addition to considering other requirements outlined in the standards the following quality factors are evaluated:

(1) *Factors not rated by score points in other than "solid-pack" freestone peaches.*—(i) Varietal characteristics.

(ii) Flavor and odor.

(2) *Factors not rated by score points in "solid-pack" freestone peaches.*—(i) Flavor and odor.

(3) *Factors rated by score points.*—The relative importance of each factor which is scored is expressed numerically on the scale of 100. The maximum number of points that may be given such factors are:

	Points
(i) Color	20
(ii) Uniformity of size and symmetry	20
(iii) Absence of defects	30
(iv) Character	30
Total score	100

(b) *Definition of flavor and odor.*—"Normal flavor and odor" means that the canned peaches are free from objectionable flavors and objectionable odors of any kind.

§ 52.2611 Ascertaining the rating for the factors which are scored.

The essential variations within each factor which is scored are so described that the value may be ascertained for each factor and expressed numerically. The numerical range within each factor which is scored is inclusive (for example, "18 to 20 points" means "18, 19, or 20 points").

§ 52.2612 Color.

(a) *General.*—(1) The color of canned freestone peaches other than canned "spiced" peaches refers to the predominant and characteristic color on the surface of whole units and the outside surface of other units, except the cut surfaces of such units are also considered when adversely affected by discoloration. Units other than whole on which the pit cavity is abnormally discolored are considered under the factor of "absence of defects" only.

(2) The factor of color for canned "spiced" peaches is not based on any detailed requirement and is not scored but the color shall be normal for canned "spiced" peaches; the other three factors (uniformity of size and symmetry, absence of defects, and character as applicable) are scored and the total is multiplied by 100 and divided by 80, dropping any fractions to determine the total score.

(b) (*A*) *classification.*—Canned freestone peaches that possess a good color may be given a score of 18 to 20 points. Mixed pieces of irregular sizes and shapes that score 18 to 20 points shall not be graded above U.S. grade B, regardless of the total score for the product (this is a partial limiting rule). "Good color" means that the peaches possess a bright color ranging from pale yellowish-orange to orange-yellow; and that there may be present units which possess "reasonably good color" as follows:

(1) In the style of halves, quarters, slices, or whole, not more than 10 percent, by count, of the units may possess "reasonably good color"; or one unit in a container is permitted to possess "reasonably good color": *Provided,* That in all containers comprising the sample such units do not exceed an average of 10 percent of the total number of units; and

(2) In the style of diced or mixed pieces of irregular sizes and shapes, not more than 10 percent, by weight, of the drained peaches may possess "reasonably good color".

(c) (*B*) *classification.*—Canned freestone peaches that possess a reasonably good color may be given a score of 16 or 17 points. Mixed pieces of irregular sizes and shapes that fall into this classification shall not be graded above U.S. grade B, regardless of the total score for the product (this is a partial limiting rule). "Reasonably good color" means that the canned freestone peaches possess a reasonably bright color that may fail to meet minimum color requirements for grade A but is equal to or better than pale yellow; that the units may possess slight discoloration due to oxidation, pit pigmentation, or other causes which does not more than slightly affect the appearance or edibility, or both, of the product;

and that there may be present units which possess "fairly good color" as follows:

(1) In the style of halves, quarters, slices, or whole, not more than 10 percent, by court, of the units may possess "fairly good color"; or one unit in a container is permitted to possess "fairly good color": *Provided,* That in all containers comprising the sample such units do not exceed an average of 10 percent of the total number of units; and

(2) In the style of diced or mixed pieces of irregular sizes and shapes, 10 percent, by weight, of the drained peaches may possess "fairly good color".

(d) *(C), (D), and (C–SP) classification.*—Canned freestone peaches that possess a fairly good color and canned "solid-pack" freestone peaches that possess a fairly good color or better color may be given a score of 14 or 15 points. Canned freestone peaches or canned "solid-pack" freestone peaches that fall into this classification shall not be graded above U.S. grade C or U.S. grade C solid-pack, whichever is applicable, regardless of the total score for the product (this is a limiting rule). "Fairly good color" means that the peaches possess a color that may fail to meet minimum color requirements for grade B but is equal to or better than a dull greenish yellow; that the units may possess slight discoloration due to oxidation, pit pigmentation, or other causes which do not materially affect the appearance or edibility, or both, of the product; and that the units may possess other color as follows:

(1) In the style of halves, quarters, slices, or whole, not more than 10 percent, by count, of the units may fail to meet the minimum color for grade C or may be off-color; or one unit in a container is permitted to possess such color: *Provided,* That in all the containers comprising the sample such units do not exceed an average of 10 percent of the total number of units; and

(2) In the style of diced or mixed pieces of irregular sizes and shapes, not more than 10 percent, by weight, of the drained peaches may consist of units that fail to meet the minimum color requirements for grade C or may be off-color: *Provided,* That such units do not materially affect the appearance of the product.

(e) *(SStd) and (SStd–SP) classification.*—Canned freestone peaches and canned "solid-pack" freestone peaches that fail to meet the requirements of paragraph (d) of this section may be given a score of 0 to 13 points and shall not be graded above substandard or substandard solid-pack, whichever is applicable, regradless of the total score for the product (this is a limiting rule).

§ 52.2613 Uniformity of size and symmetry.

(a) *General.*—The factor of uniformity of size and symmetry for mixed pieces of irregular sizes and shapes of canned freestone peaches and all applicable styles of canned "solid-pack" freestone peaches is not based on any detailed requirements and is not scored; the other three factors (color, absence of defects, and character as applicable) are scored and the total is multiplied by 100 and divided by 80, dropping any fractions to determine the total score.

(b) *Off-suture cut.*—"Off suture cut" in halved or quartered canned freestone peaches means a halved or quartered unit which has been cut at a distance from the suture greater than ⅜ inch at the widest memasurement from the suture.

(c) *Partial slice.*—A "partial slice" in the style of slices is a unit that has had the semblance of a slice with respect to thickness and shape but is less than three-fourths of an apparent full slice and that does not bear marks of crushing. In determining the allowances in terms of percentage by count, partial slices aggregating the equivalent of an average size slice shall be considered as one unit.

(d) *Sliver.*—A "sliver" in the style of slices is a sector that is substantially smaller than the general size of slices or that weighs 3 grams or less.

(e) *Slab.*—A "slab" in the style of slices is a portion of a unit which does not conform to the shape of a definite slice due to improper cutting.

(f) *(A) classification.*—Halves, quarters, slices, diced, or whole canned freestone peaches that are practically uni-

form in size and symmetry may be given a score of 18 to 20 points. "Practically uniform in size and symmetry" has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; whole.*—The weight of the largest full-size unit does not exceed the weight of the smallest full-size unit by more than 50 percent; the weight of each half is not less than three-fifths ounce; the weight of each quarter is not less than three-tenths ounce; and not more than 10 percent, by count, of the units in the style of halves or quarters may possess off-suture cuts. One unit in a container is permitted to possess an off-cuture cut if such unit exceeds the allowance of 10 percent, by count: *Provided,* That in all containers comprising the sample such units do not exceed an average of 10 percent of the total number of units.

(2) *Slices.*—Not more than a total of 10 percent, by count, of the units may be partial slices, slivers, and slabs: *Provided,* That not more than 5 percent, by count, are slabs; and excluding partial slices, slivers, and slabs that may be present, the variation in size of the other units does not affect more than slightly the appearance of the product.

(3) *Diced.*—Not more than 10 percent, by weight, of the drained freestone peaches may be units of such size as to pass through a 5/16-in square opening and the variation in size of the other units does not affect materially the appearance of the product.

(g) (*B*) *classification.*—Halves, quarters, slices, diced, or whole canned freestone peaches that are reasonably uniform in size and symmetry may be given a score of 16 or 17 points. "Reasonably uniform in size and symmetry" has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; whole.*—The weight of the largest full-size unit does not exceed the weight of the smallest full-size unit by more than 60 percent; the weight of each half is not less than three-fifths oz; the weight of each quarter is not less than three-tenths oz; and not more than 20 percent, by count, of the units in the style of halves or quarters may possess off-suture cuts. One unit in a container is permitted to possess an off-suture cut, if such unit exceeds the allowance of 20 percent, by count: *Provided,* That in all containers comprising the sample, such units do not exceed an average of 20 percent of the total number of units.

(2) *Slices.*—Not more than a total of 15 percent, by count, of the units may be partial slices, slivers, and slabs: *Provided,* That not more than 7½ percent, by count, are slabs; and excluding partial slices, slivers, and slabs that may be present, the variation in size of the other units does not affect materially the appearance of the product.

(3) *Diced.*—Not more than 15 percent, by weight, of the drained freestone peaches may be units of such size as to pass through a five-sixteenth-in square opening and the variation in size of the other units does not affect seriously the appearance of the product.

(h) (*C*) *classification.*—Halves, quarters, slices, diced, or whole canned freestone peaches that are fairly uniform in size and symmetry may be given a score of 14 or 15 points. Canned freestone peaches that fall into this classification shall not be graded above U.S. Grade B or U.S. Choice, regardless of the total score for the product (this is a partial limiting rule). "Fairly uniform in size and symmetry" has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters, whole.*—The weight of the largest full-size unit may be not more than twice the weight of the smallest full-size unit; the weight of each half is not less than three-fifths oz; the weight of each quarter is not less than three-tenths oz; and not more than 40 percent, by count, of the units in the style of halves or quarters may possess off-suture cuts.

(2) *Slices.*—Not more than a total of 25 percent, by count, of the units may be partial slices, slivers, and slabs: *Provided,* That not more than 12½ percent, by count, are slabs.

(3) *Diced.*—Not more than 20 percent, by weight, of the drained freestone peaches are units of such size as to pass through a 5/16-in. square opening and

the size of the other units may be variable.

(i) (*D*) *and* (*SStd*) *classification.*—Canned freestone peaches of the applicable styles which fail to meet paragraph (h) of this section, may be given a score of 0 to 13 points and shall not be graded above the following stated grade, regardless of the total score for the product (this is a limiting rule):

(1) Halves, quarters, or whole canned freestone peaches in which the weight of the largest full-size unit is more than twice the weight of the smallest full-size unit shall not be graded above U.S. Grade D, and are also "Below Standard in Quality—Mixed Sizes".

(2) Halves of canned freestone peaches in which the weight of any half is less than three-fifths oz shall not be graded above U.S. Grade D, and are also "Below Standard in Quality—Small Halves".

(3) Quarters of canned freestone peaches in which the weight of any quarter is less than three-tenths oz shall not be graded above U.S. Grade D, and are also "Below Standard in Quality—Small Quarters".

(4) Sliced and diced canned freestone peaches shall not be graded above U.S. Grade D.

§ 52.2614 Absence of defects.

(a) *General.*—The factor of absence of defects refers to the degree of freedom from harmless extraneous material (such as stems or leaves and portions thereof), from pit material, from peel from blemished units, from units that are crushed or broken for the applicable style, and from any other defects which detract from the appearance or edibility of the product.

(1) *Blemished.* — "Blemished" or "blemished units" means units that are blemished with scab, hail injury, discoloration, or other abnormality which affects materially the appearance or edibility, or both, of the unit.

(2) *Crushed or broken.*—"Crushed or broken" means that:

(i) A unit in halves, quarters, or whole style of canned freestone peaches is "crushed" if the unit has definitely lost its normal shape and bears marks of crushing or is otherwise crushed not due to ripeness; and

(ii) A unit in halves, quarters, or whole style of canned freestone peaches is "broken" if severed into definite parts; halves of canned freestone peaches that are slightly or partially split from the edge to the pit cavity are not considered broken. Portions equivalent to a full-size unit that has been broken are considered as one unit in determining the percentage by count.

(3) *Pit material.* — "Pit material" means any whole pit in all styles other than whole style or any portion of a peach pit, regardless of size, except when whole peach pits or peach kernels are permitted as seasoning ingredients in other than whole style.

(b) (*A*) *classification.*—Halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that are practically free from defects may be given a score of 27 to 30 points. Mixed pieces of irregular sizes and shapes of canned freestone peaches that score 27 to 30 points shall not be graded above U.S. Grade B or U.S. Choice, regardless of the total score for the product (this is a partial limiting rule). "Practically free from defects" means that the canned freestone peaches are practically free from pit material, from harmless extraneous material, and from any defects not specifically mentioned that affect the appearance or edibility of the product, and, in addition, has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; whole.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; not more than 5 percent, by count, of the units may be crushed or broken; and not more than 5 percent, by count, of the units may be blemished. One unit in a container is permitted to be crushed or broken and one unit in a container is permitted to be blemished, if any of such units exceed the respective allowances of 5 percent, by count: *Provided,* That in all containers comprising the sample such crushed or broken units do not exceed an average of 5 percent of the total number of units and such blemished units do not exceed

an average of 5 percent of the total number of units.

(2) *Sliced.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; and not more than 3 percent, by count, of the units may be blemished. One unit in a container is permitted to be blemished if such unit exceeds the allowance of 3 percent, by count: *Provided,* That in all containers comprising the sample such blemished units do not exceed an average of 3 percent of the total number of units.

(3) *Diced.*—Not more than an average of ½ square inch of peel for each pound of total contents may be present; and not more than 3 percent, by weight, of drained freestone peaches may consist of units that are blemished.

(4) *Mixed pieces of irregular sizes and shapes.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; and not more than one blemished unit for each 32 oz of total contents may be present.

(c) (*B*) *classification.*—Halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that are reasonably free from defects may be given a score of 24 to 26 points. Canned freestone peaches that fall into this classification shall not be graded above U.S. Grade B or U.S. Choice, regardless of the total score for the product (this is a limiting rule). "Reasonably free from defects" means that the canned freestone peaches are practically free from pit material, are reasonably free from harmless extraneous material and from any defects not specifically mentioned that affect the appearance or edibility of the product, and, in addition, has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; whole.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; not more than 5 percent, by count, of the units may be crushed or broken; and not more than 10 percent, by count, of the units may be blemished. One unit in a container is permitted to be crushed or broken and one unit in a container is permitted to be blemished if any of such units exceed the respective allowances of 5 and 10 percent, by count: *Provided,* That in all containers comprising the sample such crushed or broken units do not exceed an average of 5 percent of the total number of units and such blemished units do not exceed an average of 10 percent of the total number of units.

(2) *Sliced.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; and not more than 6 percent, by count, of the units may be blemished. One unit in a container is permitted to be blemished if such unit exceeds the allowance of 6 percent, by count: *Provided,* That in all containers comprising the sample such blemished units do not exceed an average of 6 percent of the total number of units.

(3) *Diced.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; and not more than 6 percent by weight, of drained freestone peaches may consist of units that are blemished.

(4) *Mixed pieces of irregular sizes and shapes.*—Not more than an average of one-half square inch of peel for each pound of total contents may be present; and not more than 1 blemished unit for each pound of total contents may be present.

(d) (*C*) *classification.*—Halves, quarters, slices, diced, whole or mixed pieces of irregular sizes and shapes of canned freestone peaches that are fairly free from defects may be given a score of 21 to 23 points. Canned freestone peaches that fall into this classification shall not be graded above U.S. Grade C or U.S. Standard, regardless of the total score for the product (this is a limiting rule). "Fairly free from defects" means that the canned freestone peaches are practically free from pit material, are fairly free from harmless extraneous material and from any defects not specifically mentioned that affect the appearance or edibility of the product, and, in addition, has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; whole.*—Not more than an average of 1 square inch of peel for each pound of total contents may be present; not more than 5 percent, by count, of the units may be crushed or broken; and not more than 20 percent, by count, of the units may be blemished. One unit in a container is permitted to be crushed or broken and one unit in a container is permitted to be blemished if any of such units exceed the respective allowances of 5 percent and 20 percent, by count: *Provided,* That in all containers comprising the sample such blemished units do not exceed an average of 20 percent of the total number of units.

(2) *Slices; diced; mixed pieces of irregular sizes and shapes.*—Not more than an average of 1 square inch of peel for each pound of total contents may be present; and not more than 20 percent, by count, of the units may be blemished.

(e) (*D*) *classification.*—Canned freestone peaches of any style which fail to meet the requirements of paragraph (d) of this section but which meet the requirements of this paragraph may be given a score of 0 to 20 points and shall not be graded above U.S. Grade D, regardless of the total score for the product (this is a limiting rule). Halves, quarters, or whole canned freestone peaches that are thereby U.S. Grade D may also be "Below Standard in Quality"—"Blemished" or "Partly Crushed or Broken" or "Unevenly Trimmed" or combinations thereof. Canned freestone peaches of U.S. Grade D with respect to "absence of defects" are practically free from pit material, are fairly free from harmless extraneous material and from any defects not specifically mentioned that affect materially the appearance or edibility of the product, and, in addition:

(1) Not more than an average of 1 square inch of peel for each pound of total contents may be present;

(2) In the style of halves, quarters, or whole, any amount of crushed or broken units may be present; and

(3) Not more than 20 percent, by count, of the units may be blemished. One unit in a container is permitted to be blemished if such unit exceeds the allowance of 20 percent, by count: *Provided,* That in all containers comprising the sample such blemished units do not exceed an average of 20 percent of the total number of units.

(f) (*SStd*) *classification.*—Canned freestone peaches that fail to meet the applicable requirements of paragraph (e) of this section may be given a score of 0 to 20 points and shall not be graded above the following stated grades, as applicable, regardless of the total score for the product (this is a limiting rule):

(1) Halves, quarters, or whole canned freestone peaches shall not be graded above Substandard and may also be "Below Standard in Quality" for the applicable reasons:

(i) Not well peeled;

(ii) Partly crushed or broken;

(iii) Unevenly trimmed;

(iv) Blemished.

(2) Slices, diced, or mixed pieces of irregular sizes and shapes of canned freestone peaches shall not be graded above Substandard and may also be "Below Standard in Quality" for the applicable reasons:

(i) Not well peeled;

(ii) Blemished.

(g) (*C–SP*) *classification.*—Halves, quarters, slices, diced, or mixed pieces of irregular sizes and shapes of canned "solid-pack" freestone peaches that are fairly free from defects for canned "solid-pack" freestone peaches may be given a score of 21 to 23 points. Canned "solid-pack" freestone peaches that fall into this classification shall not be graded above U.S. Grade C Solid-Pack or U.S. Standard Solid-Pack, regardless of the total score for the product (this is a limiting rule). "Fairly free from defects for canned 'solid-pack' freestone peaches" means that the canned "solid-pack" freestone peaches are practically free from pit material, are fairly free from harmless extraneous material and from any defects not specifically mentioned that affect the appearance or edibility of the product, and, in addition, there may be present:

(1) Not more than an average of 1 square inch of peel for each pound of total contents; and

(2) Not more than two blemished units for each pound of total contents.

(h) *(SStd–SP) classification.*—Halves, quarters, slices, diced, or mixed pieces of irregular sizes and shapes of canned "solid-pack" freestone peaches that fail to meet the requirements of paragraph (g) of this section may be given a score of 0 to 20 points and shall not be graded above Substandard Solid-Pack, regardless of the total score for the product (this is a limiting rule).

§ 52.2615 Character.

(a) *General.*—The factor of character refers to the degree of ripeness, the texture, and tenderness of the product.

(b) *(A) classification.*—Halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that possess a good character may be given a score of 27 to 30 points. Mixed pieces of irregular sizes and shapes of canned freestone peaches that score 27 to 30 points shall not be graded above U.S. Grade B or U.S. Choice, regardless of the total score for the product (this is a partial limiting rule). "Good character" has the following meanings with respect to the various styles of canned freestone peaches:

(1) *Halves; quarters; slices; diced; mixed pieces of irregular sizes and shapes.*—The units are pliable and possess a tender, fleshy texture typical of mature, well-ripened, properly prepared and property processed canned freestone peaches; the units are free from noticeable stringiness or toughness; the units may be soft or slightly frayed but not mushy; the halves of peaches may have a tendency to flatten and may be slightly frayed; and not more than 10 percent, by count, of all the units may possess a reasonably good character. One unit in a container is permitted to possess a reasonably good character if such unit exceeds the allowance of 10 percent, by count: *Provided,* That the appearance or eating quality, or both, is not more than slightly affected by the character of such unit.

(2) *Whole.*—The units possess a tender texture typical of mature, well-ripened properly prepared, and properly processed canned freestone peaches; the units are uniformly intact; and not more than 10 percent, by count, of all the units may possess a reasonably good character. One unit in a container is permitted to possess a reasonably good character if such unit exceeds the allowance of 10 percent, by count: *Provided.* That the appearance or eating quality, or both, is not more than slightly affected by the character of such unit.

(c) *(B) classification.*—Halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that possess a reasonably good character may be given a score of 24 to 26 points. Mixed pieces of irregular sizes and shapes of canned freestone peaches that fall into this classification shall not be graded above U.S. Grade B or U.S. Choice, regardless of the total score for the product (this is a partial limiting rule). "Reasonably good character" has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters; slices, diced; mixed pieces of irregular sizes and shapes.*—The units possess a texture typical of mature, properly ripened, properly prepared and properly processed canned freestone peaches; the texture is reasonably fleshy; the units may be soft or materially frayed but not mushy or may be slightly firm or variable in tenderness within the unit; the halves of peaches may have a tendency to flatten and may be materially frayed; and not more than 10 percent, by count, of the units may possess a fairly good character, except for mushy units. One unit in a container is permitted to possess such fairly good character if such unit exceeds the allowance of 10 percent, by count: *Provided,* That the appearance or eating quality, or both, is not affected materially by the character of such unit.

(2) *Whole.*—The units possess a texture typical of mature, properly ripened, properly prepared, and properly processed canned freestone peaches; the units are reasonably tender or the tenderness may be variable within the unit; the units may be slightly firm or slightly soft but are not mushy; and not more than 10 percent, by count, of the units may possess a fairly good character, except for mushy or "not tender" units. One unit in a container is permitted to possess such fairly good character if such unit exceeds the allowance of 10 percent, by

count: *Provided,* That the appearance or eating quality, or both, is not affected materially by the character of such unit.

(d) (*C*) *classification.*—Halves, quarters, slices, diced, whole, or mixed pieces of irregular sizes and shapes of canned freestone peaches that possess a fairly good character may be given a score of 21 to 23 points. Canned freestone peaches that fall into this classification shall not be graded above U.S. Grade C or U.S. Standard, regardless of the total score for the product (this is a limiting rule). "Fairly good character" has the following meanings with respect to the following styles of canned freestone peaches:

(1) *Halves; quarters, slices; diced; mixed pieces of irregular sizes and shapes.*—The units possess a texture typical of mature, properly prepared, and properly processed canned freestone peaches which may be variable in fleshiness but the texture is fairly fleshy; the units may be lacking uniformity of tenderness; the units may be very soft but not frayed to the extent that their normal shape is destroyed; and not more than 10 percent, by weight, of the drained freestone peaches may be mushy or units that are so firm as to be not tender.

(2) *Whole.*—The units possess a texture of mature, properly prepared, and properly processed canned freestone peaches which may be variable; the units may be lacking uniformity of tenderness or may be markedly ragged or very soft; and not more than 10 percent, by count, of the units may be mushy or so firm as to be not tender. One unit in a single container is permitted to be mushy or not tender, if one unit exceeds the allowance of 10 percent, by count: *Provided,* That in all containers comprising the sample, such units do not exceed an average of 10 percent of the total number of units.

(e) (*D*) *classification.*—Canned freestone peaches of any style that meet the requirements of paragraph (d) of this section with respect to units that are so firm as to be not tender but which otherwise possess a noticeably variable texture with not more than 25 percent, by weight, of the drained canned freestone peaches that consist of mushy fruit may be given a score of 0 to 20 points and shall not be graded above U.S. Grade D, regardless of the total score for the product (this is a limiting rule).

(f) (*SStd*) *classification.* — Canned freestone peaches of any style that fail to meet the applicable requirements of paragraph (d) or (e) of this section or that are so firm as to be not tender may be given a score of 0 to 20 points and shall not be graded above Substandard, regardless of the total score for the product (this is a limiting rule). Halves, quarters, slices, diced, whole, or mixed sizes and shapes of canned freestone peaches that are not tender are also "Below Standard in Quality—Not Tender."

(g) (*C–SP*) *classification.* — Halves, quarters, slices, diced, or mixed pieces of irregular sizes and shapes of canned "solid-pack" freestone peaches that possess a fairly good character for canned "solid-pack" freestone peaches may be given a score of 21 to 23 points. Canned "solid-pack" freestone peaches that fall into this classification shall not be graded above U.S. Grade C Solid-Pack or U.S. Standard Solid-Pack, regardless of the total score for the product (this is a limiting rule). "Fairly good character for canned 'solid-pack' freestone peaches" means the product generally possesses a texture of properly prepared and properly processed "solid-pack" freestone peaches which may be variable in tenderness or degree of softness and may consist of mushy fruit and fairly firm units.

(h) (*SStd–SP*) *classification.*—Halves, quarters, slices, diced, or mixed pieces of irregular sizes and shapes of canned "solid-pack" freestone peaches that fail to meet the requirements of paragraph (g) of this section may be given a score of 0 to 20 points and shall not be graded above Substandard Solid-Pack, regardless of the total score for the product (this is a limiting rule).

Lot Inspection and Certification

§ 52.2616 Ascertaining the grade of a lot.

The grade of a lot of canned freestone peaches covered by these standards is determined by the procedures set forth in the regulations governing

inspection and certification of processed fruits and vegetables, processed products thereof, and certain other processed food products (7 CFR 52.1 to 52.87).

Dated May 10, 1973.

E. L. PETERSON,
Administrator,
Agricultural Marketing Service.

SCORE SHEET

§ 52.2617 Score sheet.

Size and kind of container
Container mark or identification
Label
Net weight (ounces)
Vacuum (inches)
Drained weight (ounces)
Solid-pack ( ) Spiced ( )
If in a liquid packing medium:
Brix measurement
Sirup designation (extra heavy, heavy, etc.)
Style (halves), (quarters), (whole), etc
Count (halves, quarters, whole)

Factors		Score points	
Color	20	(A)	[2] 18–20
		(B)	[2] 16–17
		(C), (D), (C-SP)	[1] 14–15
		(SStd) and (SStd-SP)	[1] 0–13
Uniformity of size and symmetry.	20	(A)	18–20
		(B)	16–17
		(C)	[2] 14–15
		(D) and (SStd)	[1] 0–13
Absence of defects.	30	(A)	[2] 27–30
		(B)	[1] 24–26
		(C) and (C-SP)	[1] 21–23
		(D), (SStd) and (SStd-SP).	[1] 0–20
Character	30	(A)	[2] 27–30
		(B)	[2] 24–26
		(C) and (C-SP)	[1] 21–23
		(D), (SStd) and (SStd-SP).	[1] 0–20
Total score	100		

Varietal characteristics ( ) similar ( ) dissimilar
Normal flavor and odor
Grade

[1] Limiting rule.
[2] Partial limiting rule.

These U.S. Standards for Grades of Canned Freestone Peaches, as herein amended, shall become effective June 30, 1973, and thereupon will supersede the U.S. Standards for Grades of Canned Freestone Peaches which have been in effect since June 1, 1969.

Published in the Federal Register, June 21, 1957 (22 F.R. 4377)
Amendment to Section 52.2610 published in the Federal Register, May 1, 1969, (34 F.R. 7134).
Amended to delete the old text in Section 52.1614, add two new Sections as 52.2608 and 52.2609, and renumber other sections accordingly, effective June 20, 1973 (38 F.R. 13349).

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